

Fig. 1

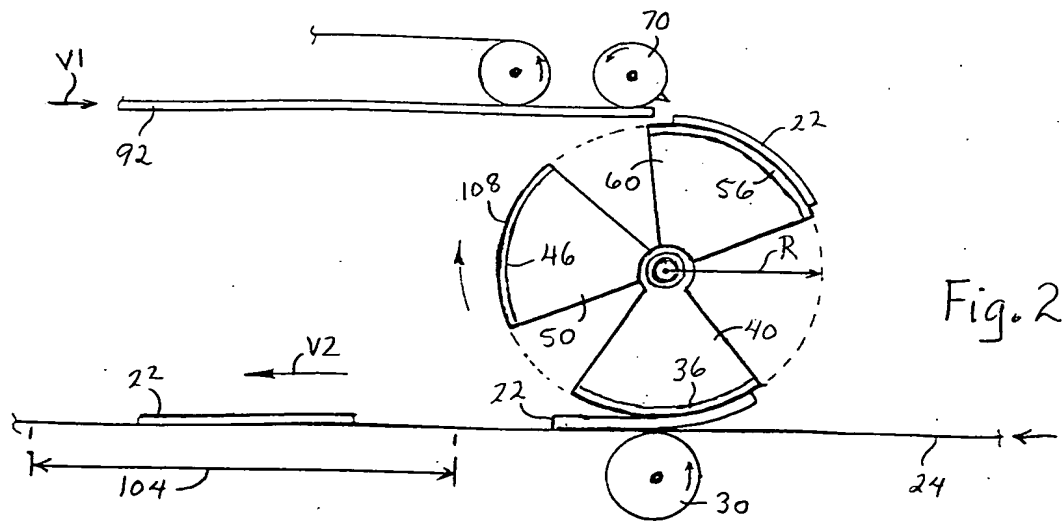


Fig. 2

10003941 110101

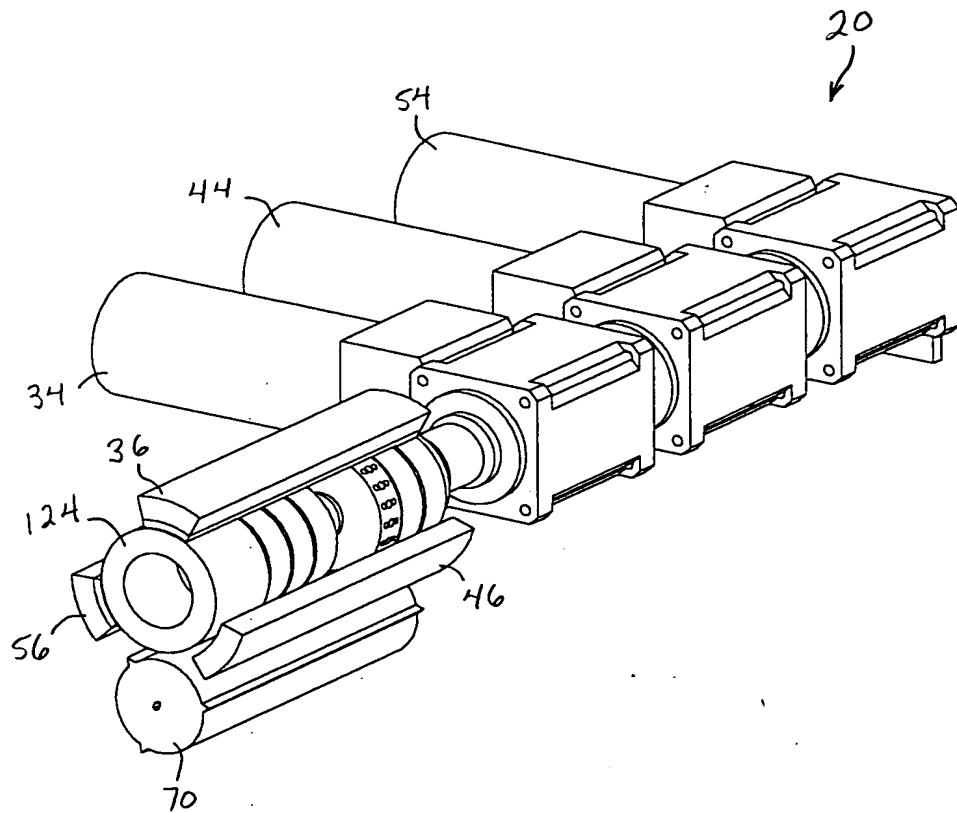


Fig. 3



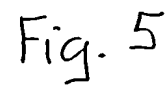


Fig. 5

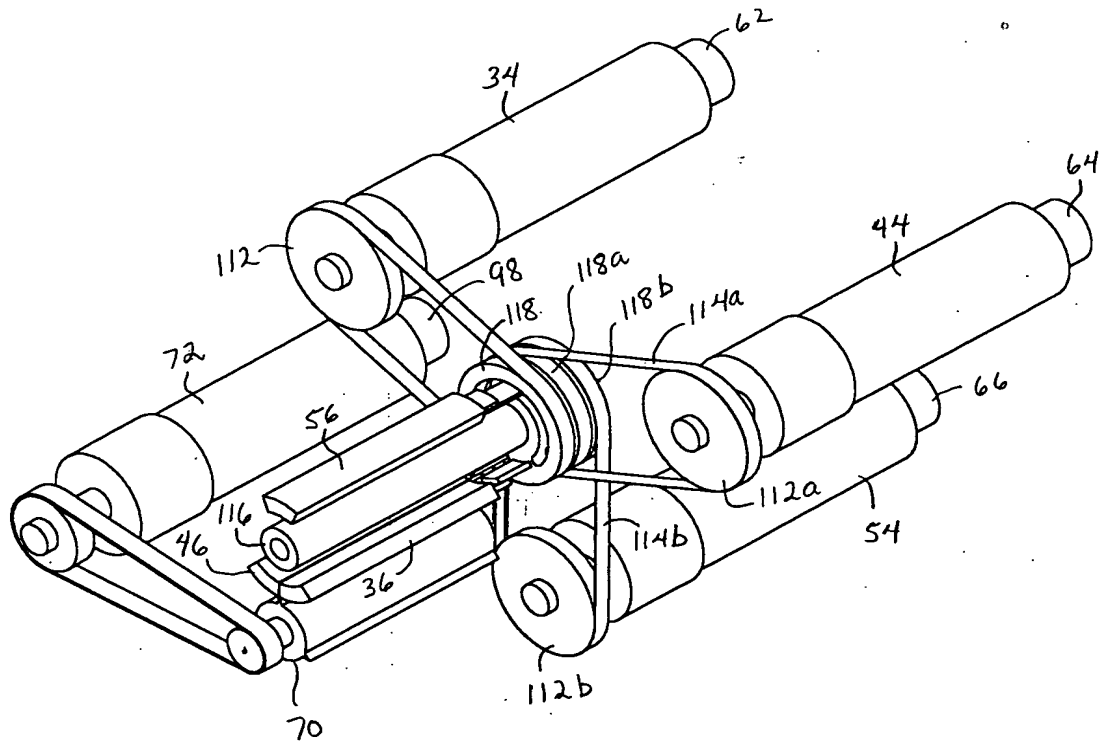
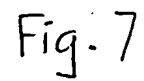


Fig. 6

10003911-110101



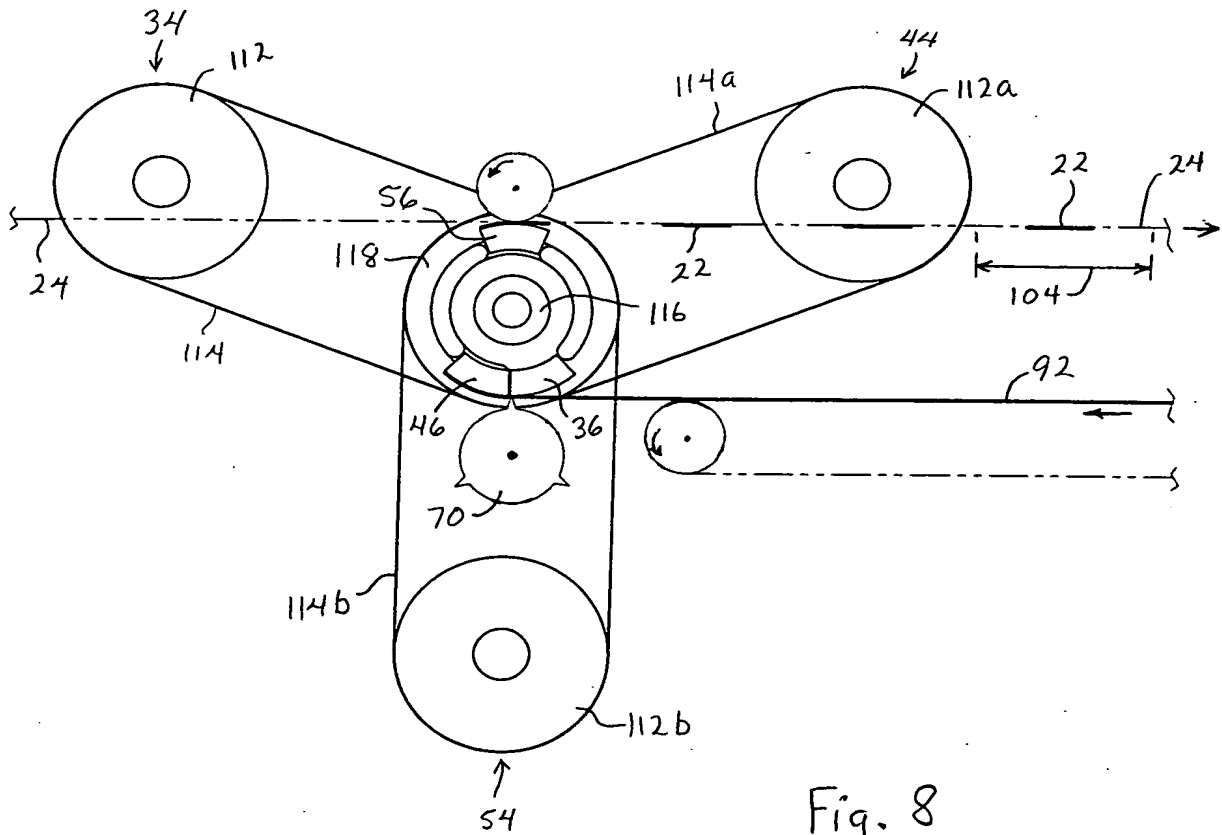


Fig. 8

10003911-110101

10003931.1 110101

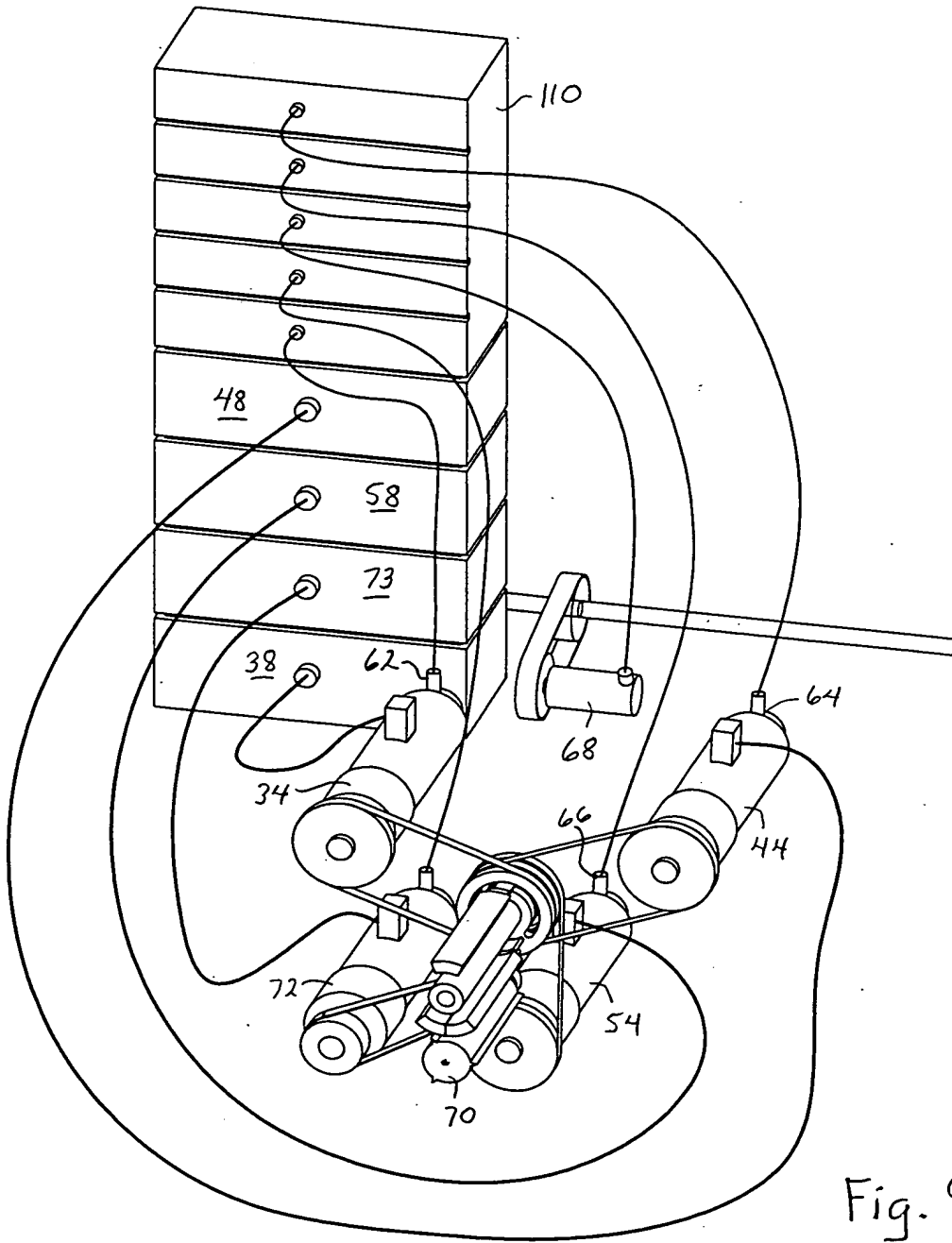


Fig. 9



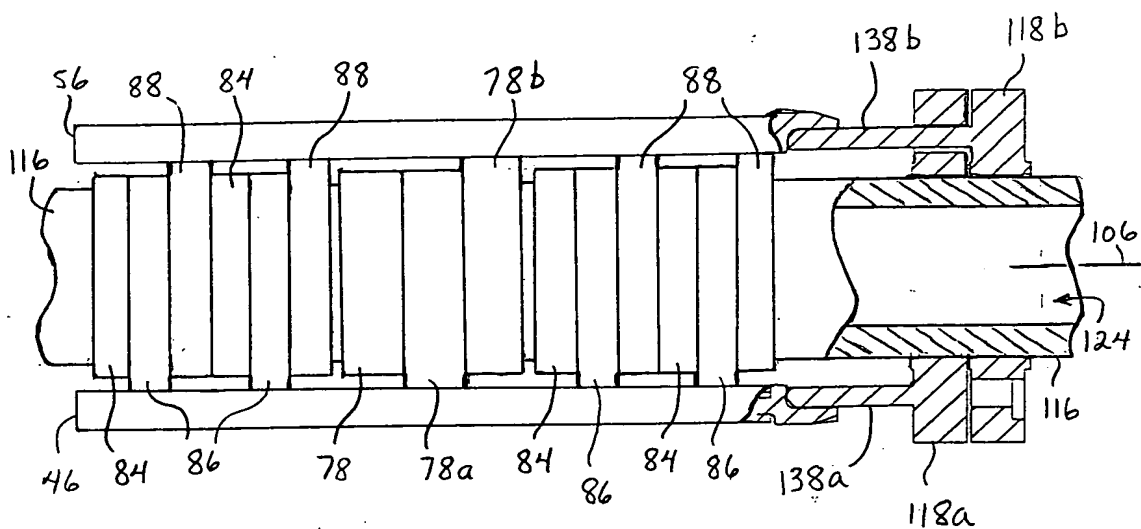


Fig. 10

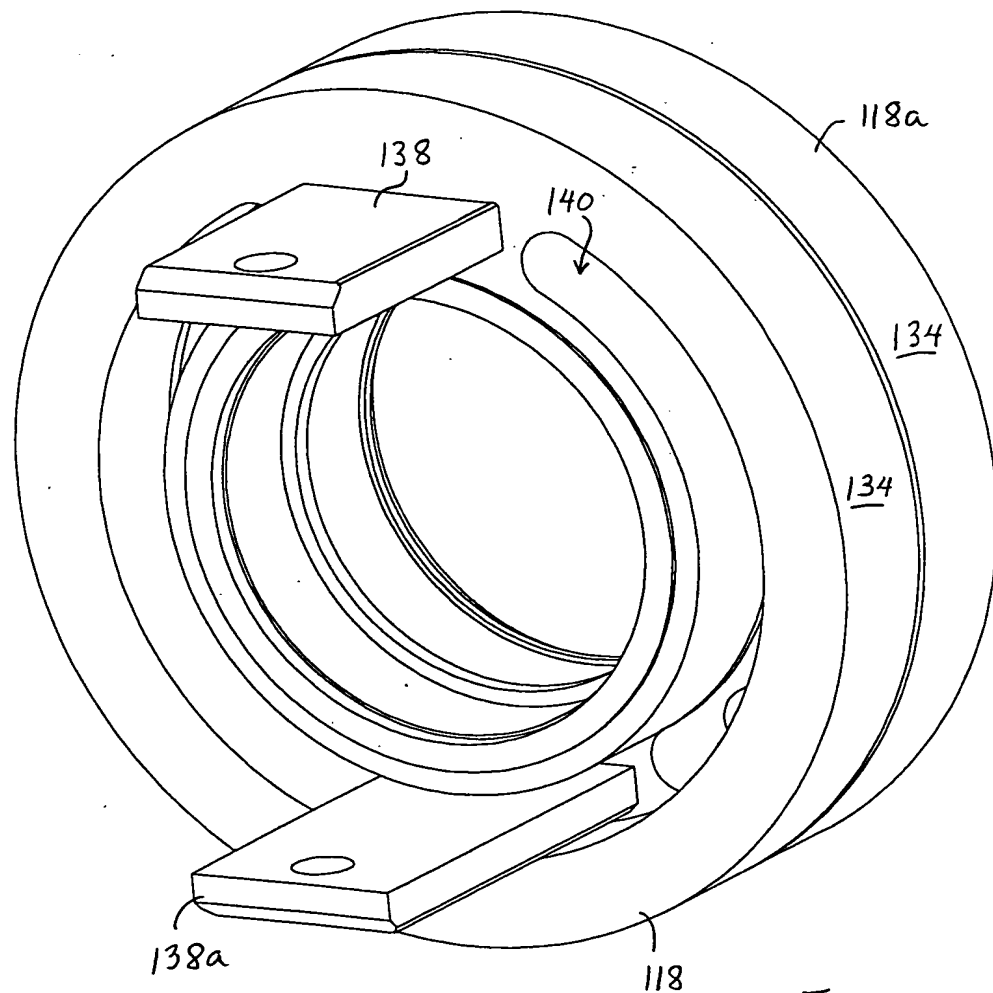


Fig. 11

10003911 110101

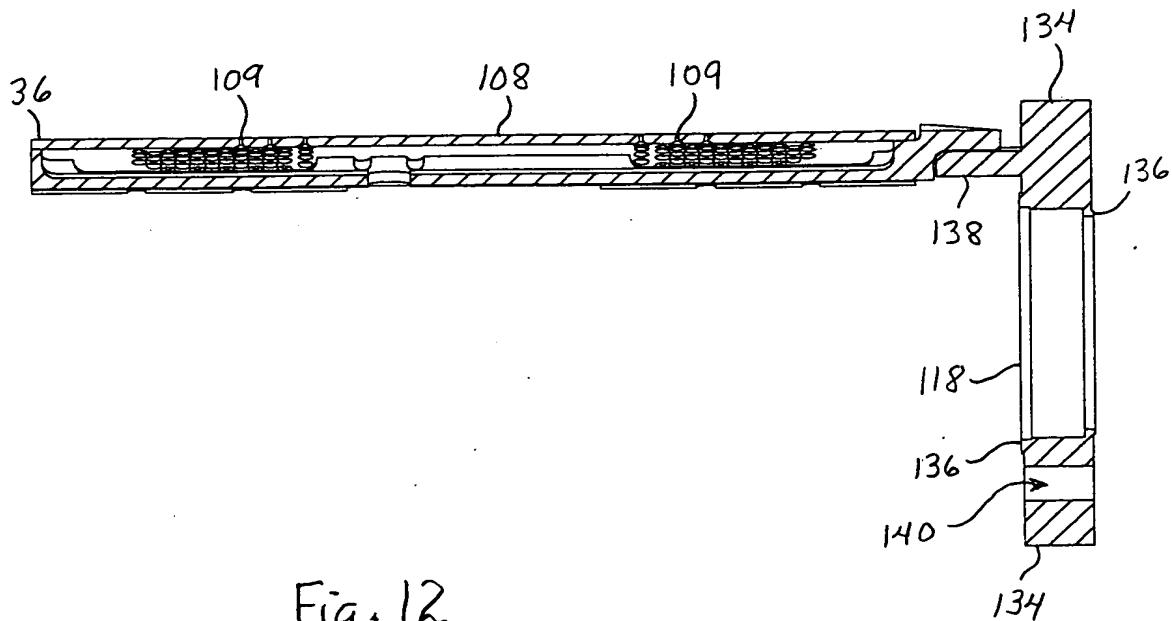


Fig. 12

10003911-10101

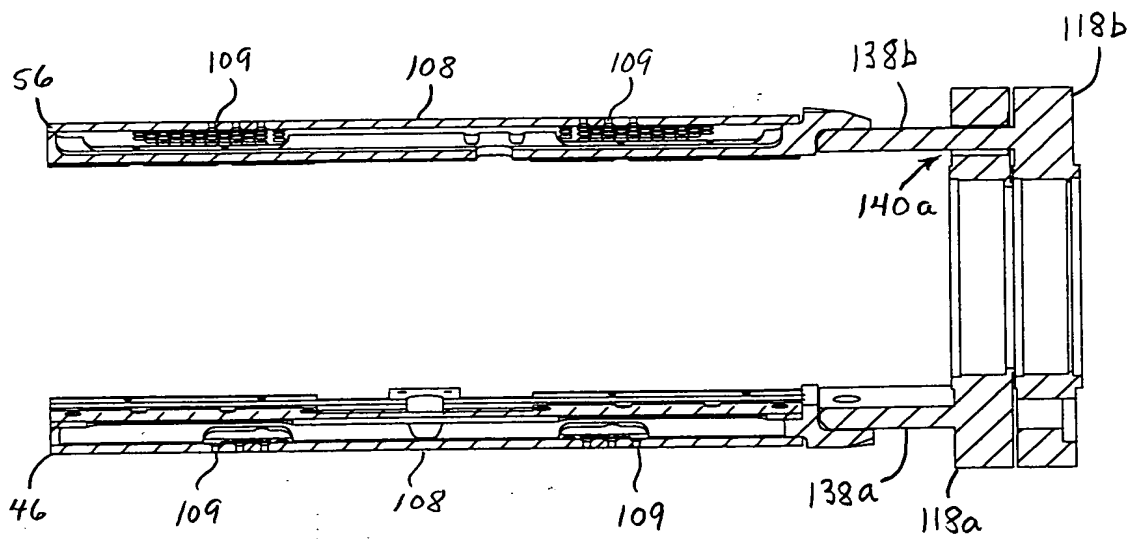


Fig. 13

11000394.1 110101

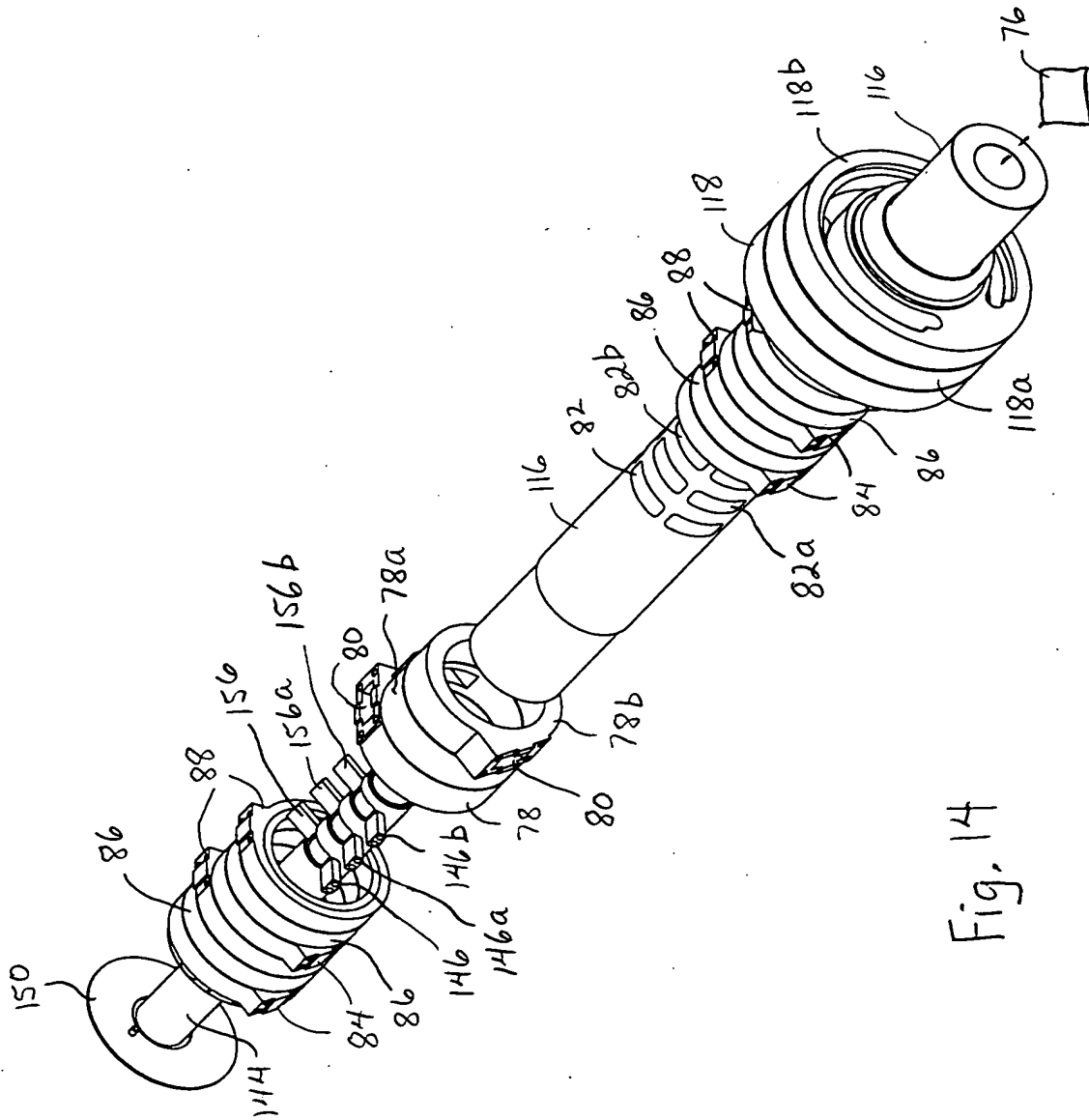
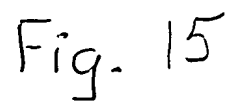


Fig. 14

4000391.1.110101



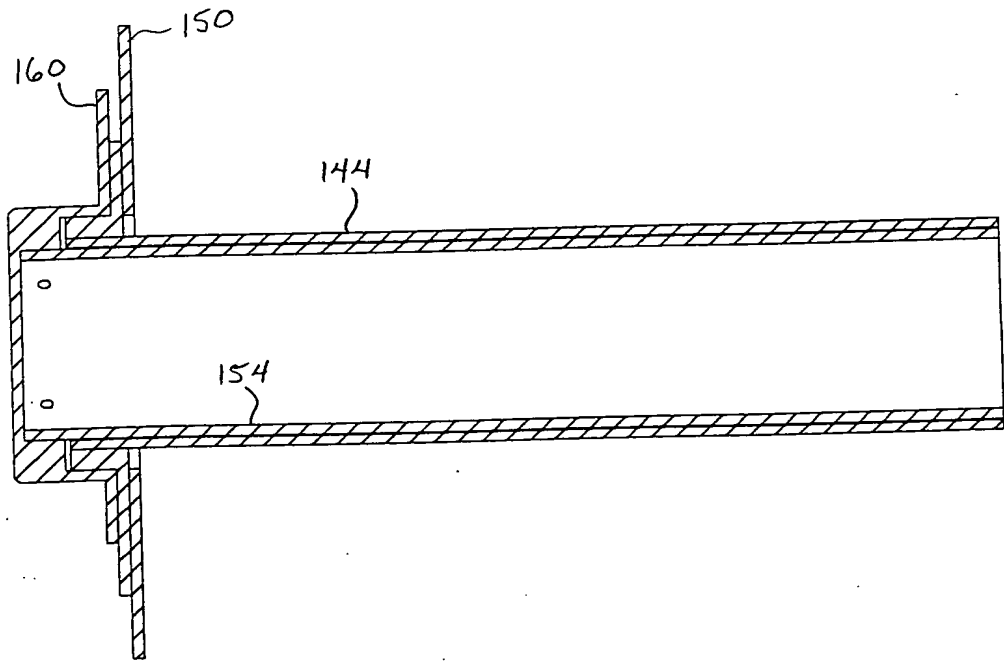
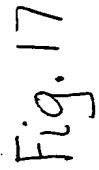


Fig. 16

1000391.110303



seconds



Speed Profil Data

	Time (sec)	Velocity (in/sec)	
V1 start	0	50	
V1 end	0.08	50	
V2 start	0.152	250	
V2 end	0.168	250	
cycle end	0.24	50	

Fig. 17 A

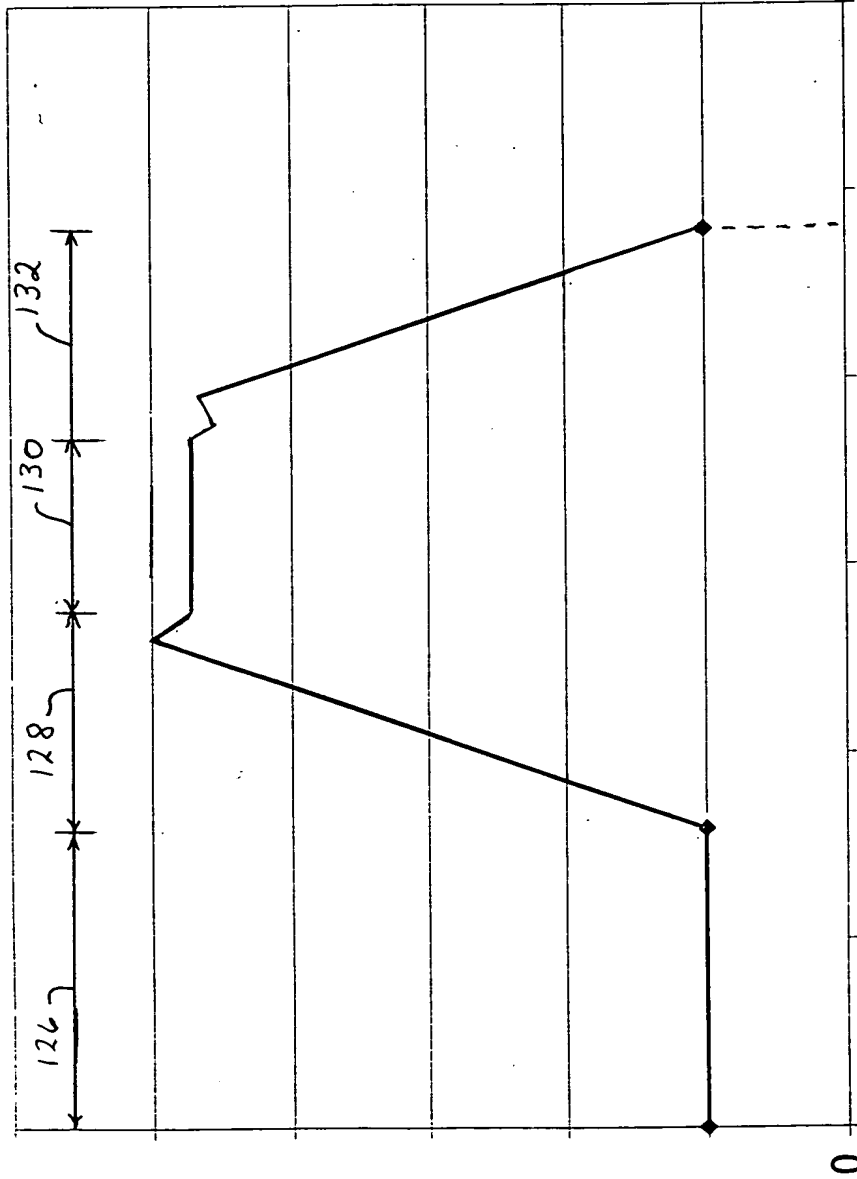
	Speed (inch/sec)	start time	end time	Interval (seconds)	Motion-area (inch)
Low-speed (V1)	50	0	0.08	0.08	4
Acceleration		0.08	0.152	0.072	10.8
High-speed (V2)	250	0.152	0.168	0.016	4
Deceleration		0.168	0.24	0.072	10.8
					29.6 total

Fig. 17 B

10003911.110101

FIG. 18

velocity



time

Fig. 18